

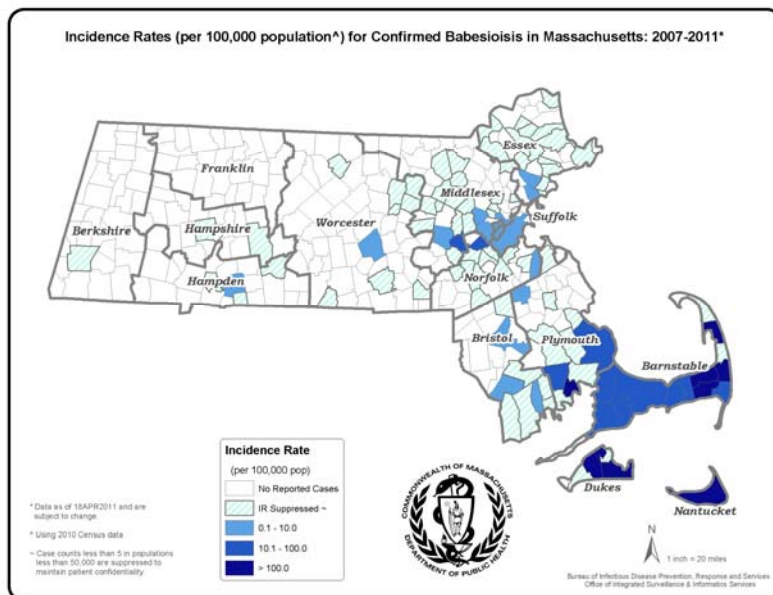
Babesiosis Surveillance in Massachusetts, 2011

Massachusetts Department of Public Health

2011 Surveillance Highlights

- 191 confirmed cases of babesiosis were reported in Massachusetts in 2011, representing more than a two-fold increase over the number of cases reported in 2010.
- Counties with the highest incidence were Barnstable, Nantucket, and Plymouth.
- The majority of confirmed cases occurred in June, July and August and 23% of cases reported a recent tick bite.
- 66% of confirmed cases were over 55 years of age. The average age for a confirmed babesiosis case was 62 years, and 53% were male.
- 41% of confirmed cases were hospitalized. The symptoms most commonly reported in confirmed cases included fever (71%), fatigue (73%) and malaise (57%).
- Seven confirmed cases (3.7%) reported receiving a blood transfusion, tissue products or organ transplant in the year prior to becoming ill. One perinatally-acquired case was also identified.
- For more information about babesiosis and other tick-borne diseases, including things you can do to keep you and your loved ones safe, please visit www.mass.gov/dph/tick.

The map below illustrates babesiosis incidence rates per 100,000 by city and town of residence in Massachusetts from 2007-2011. Areas of highest incidence include Cape Cod and the islands of Nantucket and Martha's Vineyard. No cases of babesiosis were reported from Franklin County in 2011.



County	2011 Confirmed Cases (#)	2011 Incidence Rate (per 100,000)
Barnstable	57	26.4
Berkshire	1	0.8
Bristol	8	1.5
Dukes and Nantucket	46	172.2
Essex	10	1.3
Franklin	0	0.0
Hampden	4	0.9
Hampshire	1	0.6
Middlesex	22	1.5
Norfolk	13	1.9
Plymouth	24	4.8
Suffolk	2	0.3
Worcester	3	0.4
State Total	191	2.9

*Statistics for Dukes and Nantucket counties are combined in accordance with confidentiality guidelines

Data as of 07Apr2012 and are subject to change.

Figure 1.

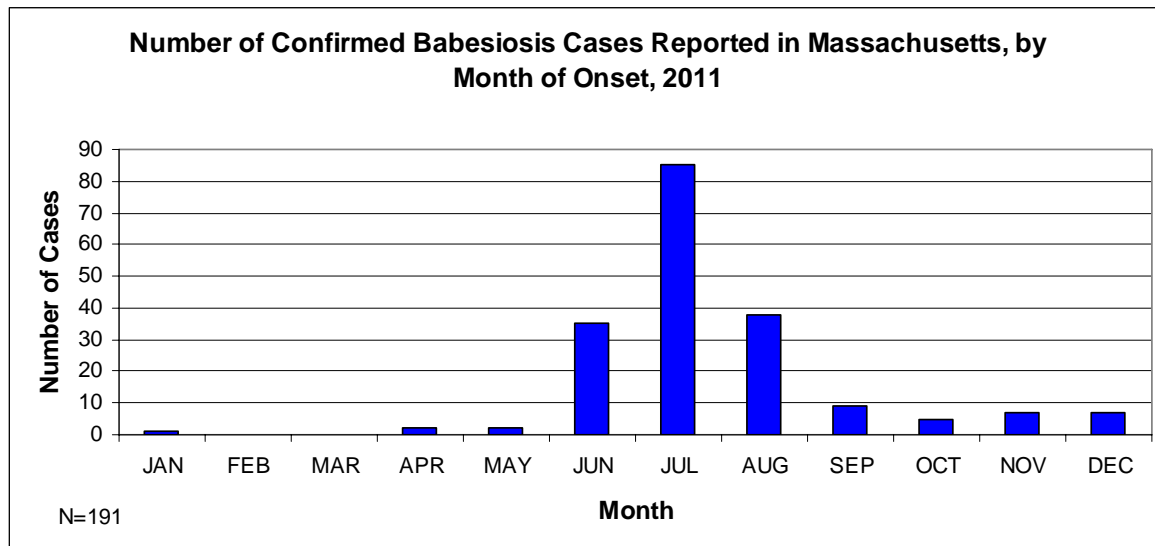


Figure 2.

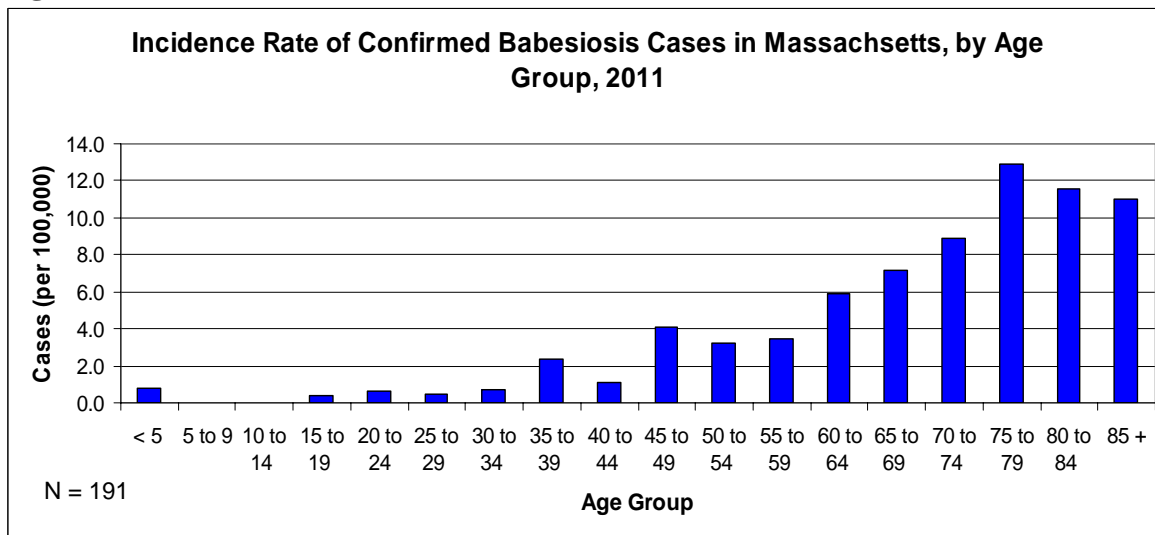
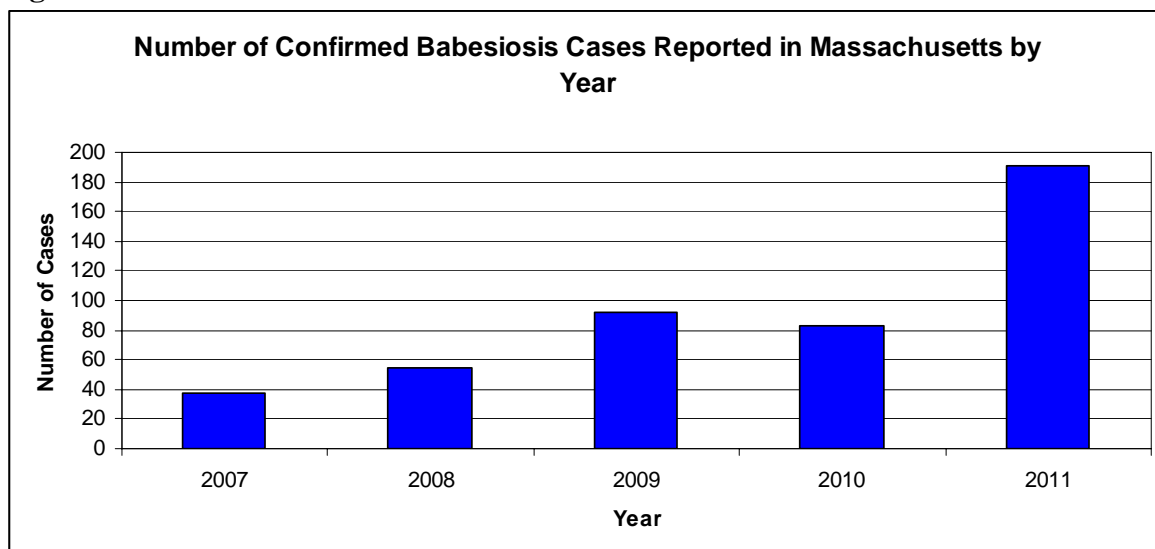


Figure 3.



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